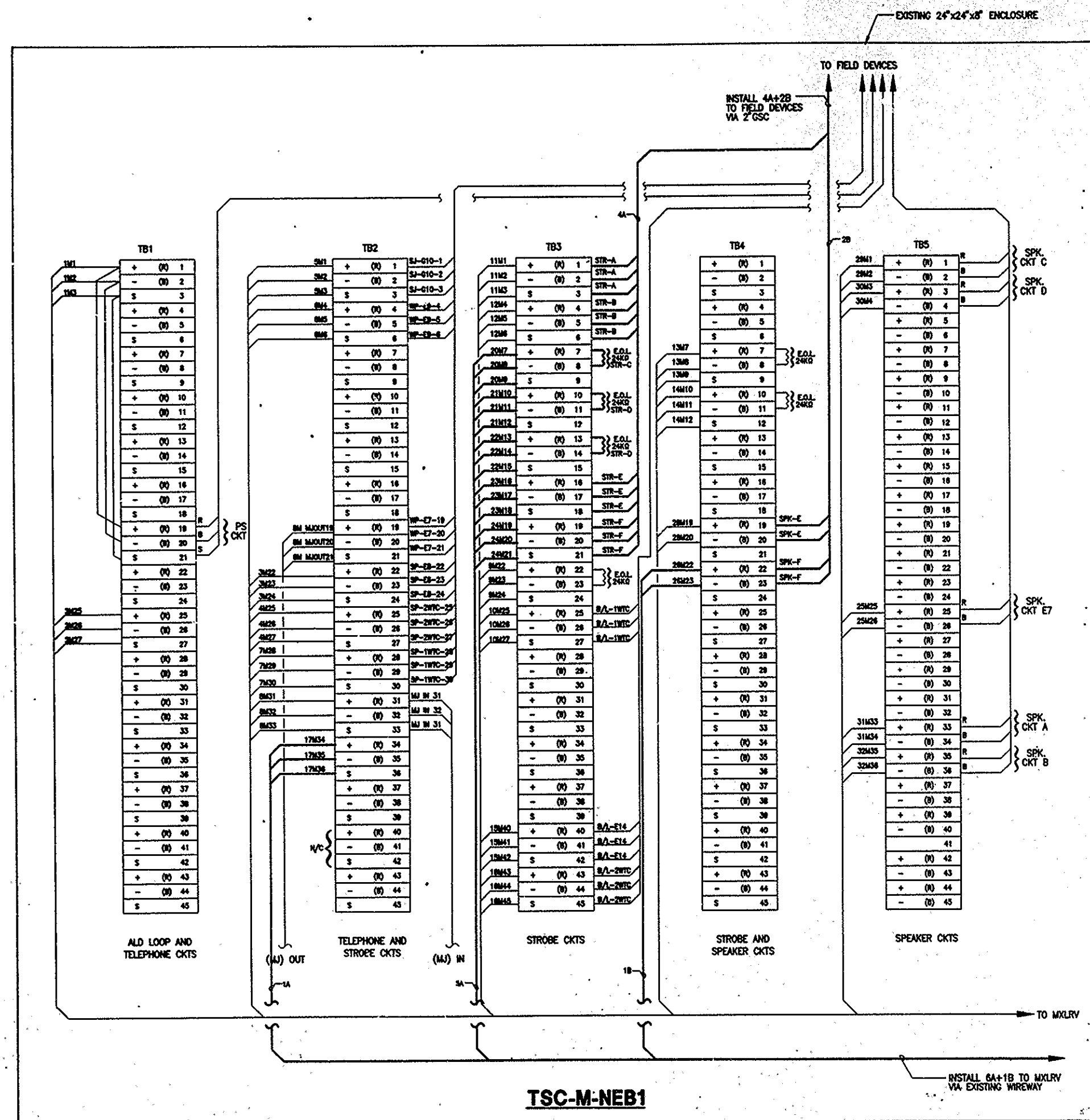
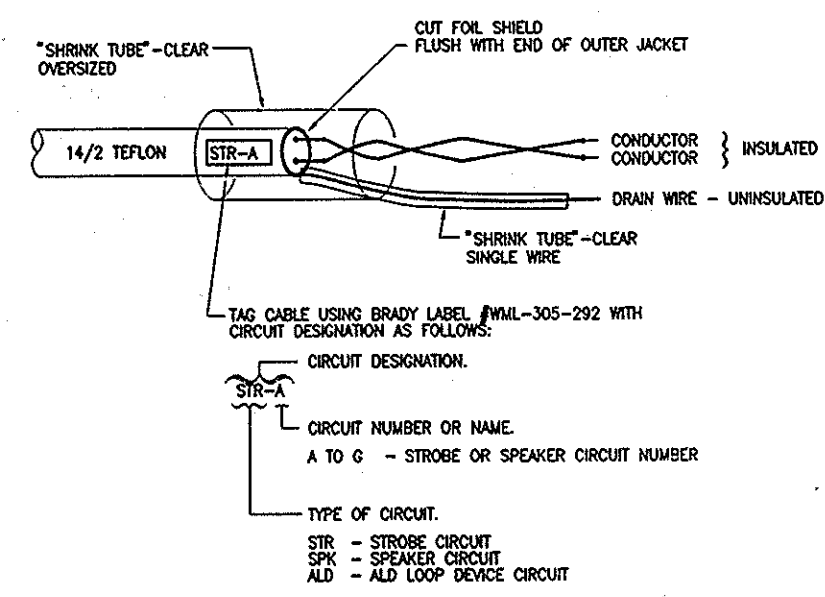


REVISION No. 9



- NOTES:**
- FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
  - ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE DETAIL "A" (ON THIS DWG).
  - ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
  - CONTRACTOR SHALL SHAPE, TEST AND LABEL ALL CABLES. FINAL CONNECTION SHALL BE MADE BY CONTRACTOR IN THE PRESENCE AND UNDER THE DIRECT SUPERVISION OF THE ENGINEER.
  - FOR TSC-M-NEB1 ENCLOSURE LOCATION, SEE DWG E-7, B1 LEVEL MER PLAN.

- LEGEND:**
- #14 AWG CONDUCTORS AND DRAINS
- 20 - INDICATES PAIR NUMBER
  - M - INDICATES WIRE RUN TO MLRV
  - 20 - INDICATES TERMINAL BLOCK NUMBER
  - I - INDICATES WIRE RUN TO TSC-II
  - A - INDICATES WIRE RUN TO TSC-FIA
  - B - INDICATES WIRE RUN TO TSC-FIB
- TB2 - TERMINAL BLOCK #2
- (+) INDICATES POSITIVE POLARITY
  - (-) INDICATES NEGATIVE POLARITY
  - (R) INDICATES RED WIRE
  - (B) INDICATES BLACK WIRE
  - (S) INDICATES SHIELD/DRAIN WIRE
  - 2 INDICATES TERMINAL BLOCK POINT NUMBER
- UNUSED TERMINAL BLOCK



**DETAIL "A" - TYPICAL SHIELD/DRAIN INSULATING METHOD**

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861.571 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE: 12/1/99

CONTRACT EXHIBIT A-1

ENGINEERING PROGRAM MGR.

**THE PORT AUTHORITY**  
OF NEW YORK AND NEW JERSEY

ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER

CHIEF ELECTRICAL ENGINEER

No.	Date	Revision	Approved
ENGINEERING DEPARTMENT			
WORLD TRADE CENTER			

**ELECTRICAL**

Title

FIRE ALARM SYSTEM  
PHASE III  
5 WTC MER'S, EMR'S  
AND SUBSTATIONS

B1 LEVEL  
TSC-M-NEB1  
BLOCK WIRING  
DIAGRAM

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

FELDSZTEIN ROYZMAN L.S.  
Designed by Drawn by Checked by

5-17-99  
Date

WTC-861.571 E-12  
Contract Number Drawing Number